Author Index

Abrams, S.B. and Yager, P.
Perturbation of the chain melting transition of DPPC by galactose, agarose and Laurdan as determined by differential scanning calorimetry (1146) 127
Ahl, P.L., see Boni, L.T. (1146) 247
Arduini, A., Gorbunov, N., Arrigoni-Martelli, E., Dottori, S., Molajoni, F., Russo, F. and Federici, G.
Effects of L-carnitine and its acetate and propionate esters on the molecular dynamics of human erythrocyte membrane (1146) 229
Arrigoni-Martelli, E., see Arduini, A. (1146) 229
Azzaro, A.J., see Birkle, D.L. (1146) 236

Bayan, N., Schrempp, S., Joliff, G., Leblon, G. and Shechter, E.
Role of the protonmotive force and of the state of the lipids in the in vivo protein secretion in *Corynebacterium glutamicum*, a Gram-positive bacterium (1146) 97
Beechey, R.B., see Freeman, T.C. (1146) 203
Bégault, B. and Edelman, A.
A nucleotide-regulated Cl^-/OH^- anion exchanger in endoplasmic reticulum-enriched pig pancreatic microsomes (1146) 183
Bernik, D.L. and Disalvo, E.A.
Gel state surface properties of phosphatidylcholine liposomes as measured with merocyanine 540 (1146) 169
Birkle, D.L., Shahamat, V., Lucci, J., Johnson, E.A., Riggs, J.E. and Azzaro, A.J.
Abnormal fatty acid composition in sarcolemma and sarcoplasmic reticulum from myotonic ADR mouse muscle (1146) 236
Bismuto, E., Sirangelo, I. and Irace, G.
Folding and dynamics of melittin in reversed micelles (1146) 213
Blume, A., see Mueller, E. (1146) 45
Blume, G. and Cevc, G.
Molecular mechanism of the lipid vesicle longevity in vivo (1146) 157
Boni, L.T., Minchey, S.R., Perkins, W.R., Ahl, P.L., Slater, J.L., Tate, M.W., Gruner, S.M. and Janoff, A.S.
Curvature dependent induction of the interdigitated gel phase in DPPC vesicles (1146) 247
Boos, C., see Ramsammy, L.S. (1146) 1
Bragg, P.D., see Sedgwick, E.G. (1146) 113
Browning, C.W., see Stillwell, W. (1146) 136

Campione, A.L., see Van Winkle, L.J. (1146) 38
Cassagne, C., see Moreau, P. (1146) 9
Castaing, M., see Vareille, G. (1146) 25
Cevc, G., see Blume, G. (1146) 157
Chen, J.-C., see Shiao, Y.-J. (1146) 282
Cragoe, Jr., E.J., see David, P. (1146) 59

Daum, G., see Gaigg, B. (1146) 301
David, P., Mayan, H., Cragoe, Jr., E.J. and Karlish, S.J.D.
Structure–activity relations of amiloride derivatives, acting as antagonists of cation binding on Na^+/K^+-ATPase (1146) 59
DeVries, A.L., see Hincha, D.K. (1146) 258
Disalvo, E.A., see Bernik, D.L. (1146) 169
Djukic, S., see Marassi, F.M. (1146) 219
Doi, K., see Yamauchi, K. (1146) 178

Doige, C.A., Yu, X. and Sharom, F.J.
The effects of lipids and detergents on ATPase-active P-glycoprotein (1146) 65
Dottori, S., see Arduini, A. (1146) 229
Dumaual, A.C., see Stillwell, W. (1146) 136
Dyer, J., see Freeman, T.C. (1146) 203

East, J.M., see Matthews, I. (1146) 265
Easton, P.L., see Hinton, J.F. (1146) 191
Edelman, A., see Bégault, B. (1146) 183
Ehringer, W.D., see Stillwell, W. (1146) 136

Federici, G., see Arduini, A. (1146) 229
Fine, R.E., see Morin, P.J. (1146) 275
Freeman, T.C., Wood, I.S., Sirinathsinghji, D.J.S., Beechey, R.B., Dyer, J. and Shirazi-Beechey, S.P.
The expression of the Na^+/glucose cotransporter (SGLT1) gene in lamb small intestine during postnatal development (1146) 203

Gaigg, B., Lafer, G., Paltauf, F. and Daum, G.
Interaction of the yeast phosphatidylserine transfer protein with artificial and biological membranes (1146) 301
Gardner, J.D., see Yuan, D.S. (1146) 52
Gibrat, R., see Venema, K. (1146) 87
Gorbunov, N., see Arduini, A. (1146) 229
Grassl, S.M., see Polkowski, C.A. (1146) 145
Grignon, C., see Venema, K. (1146) 87
Grouzis, J.-P., see Venema, K. (1146) 87
Gruner, S.M., see Boni, L.T. (1146) 247

Heijmans, H.S.A., see Van der Veer, E. (1146) 294
Helander, H.F., see Scott, D.R. (1146) 73
Hersey, S.J., see Scott, D.R. (1146) 73
Hincha, D.K., DeVries, A.L. and Schmitt, J.M.
Cryotoxicity of antifreeze proteins and glycoproteins to spinach thylakoid membranes – comparison with cryotoxic sugar acids (1146) 258
Hinton, J.F., Easton, P.L., Newkirk, D.K. and Shungu, D.C.
^{23}Na-NMR study of ion transport across vesicle membranes facilitated by phenylalanine analogs of gramicidin (1146) 191
Hoekstra, D., see Van der Veer, E. (1146) 294
Hori, R., see Katsura, T. (1146) 197

Inui, K.-i., see Katsura, T. (1146) 197
Irace, G., see Bismuto, E. (1146) 213
Iseki, K., Sugawara, M., Saitoh, N. and Miyazaki, K.
The transport mechanisms of organic cations and their zwitterionic derivatives across rat intestinal brush-border membrane. 1. Binding characteristics to the bio- and lipid-membranes (1146) 121

Janoff, A.S., see Boni, L.T. (1146) 247
Jenski, L.J., see Stillwell, W. (1146) 136
Johnson, E.A., see Birkle, D.L. (1146) 236
Johnson, R.J., see Morin, P.J. (1146) 275
Joliff, G., see Bayan, N. (1146) 97
Josepovitz, C., see Ramsammy, L.S. (1146) 1

Kaloyanides, G.J., see Ramsammy, L.S. (1146) 1
Karlish, S.J.D., see David, P. (1146) 59
Katsura, T., Takano, M., Tomita, Y., Yasuhara, M., Inui, K.-i. and Hori, R.
Characteristics of organic cation transporter in rat renal basolateral membrane (1146) 197
Kawamura, Y., see Sakurai, S. (1146) 153
Keeling, D.J., see Mattsson, J.P. (1146) 106
Keenan, T.W., see Moreau, P. (1146) 9
Kinoshita, M., see Yamauchi, K. (1146) 178
Kraus, J.-L., see Vareille, G. (1146) 25

Lafer, G., see Gaigg, B. (1146) 301
Leblon, G., see Bayan, N. (1146) 97
Lee, A.G., see Matthews, I. (1146) 265
Lehrmann, R., see Montich, G. (1146) 17
Levinson, C., see Thomas-Young, R.J. (1146) 81
Lorentzon, P., see Mattsson, J.P. (1146) 106
Lucci, J., see Birkle, D.L. (1146) 236

Macdonald, P.M., see Marassi, F.M. (1146) 219
Mann, D.F., see Van Winkle, L.J. (1146) 38
Marassi, F.M., Djukic, S. and Macdonald, P.M.
Influence of lipid lateral distribution on the surface charge response of the phosphatidylcholine headgroup as detected using ^2H nuclear magnetic resonance (1146) 219
Marion, P., see Vareille, G. (1146) 25
Mata, A.M., see Matthews, I. (1146) 265
Matthews, I., Mata, A.M., Lee, A.G. and East, J.M.
Evidence for the lumenal location of the 53 kDa glycoprotein of sarcoplasmic reticulum (1146) 265
Mattsson, J.P., Lorentzon, P., Wallmark, B. and Keeling, D.J.
Characterization of proton transport in bone-derived membrane vesicles (1146) 106
Mayan, H., see David, P. (1146) 59
McLaughlin, S., see Montich, G. (1146) 17
Minchey, S.R., see Boni, L.T. (1146) 247
Miyazaki, K., see Iseki, K. (1146) 121
Molajoni, F., see Arduini, A. (1146) 229
Montich, G., Scarlata, S., McLaughlin, S., Lehrmann, R. and Seelig, J.
Thermodynamic characterization of the association of small basic peptides with membranes containing acidic lipids (1146) 17
Moreau, P., Cassagne, C., Keenan, T.W. and Morré, D.J.
Ceramide excluded from cell-free vesicular lipid transfer from endoplasmic reticulum to Golgi apparatus. Evidence for lipid sorting (1146) 9
Morin, P.J., Johnson, R.J. and Fine, R.E.
Kinesin is rapidly transported in the optic nerve as a membrane associated protein (1146) 275
Morré, D.J., see Moreau, P. (1146) 9
Mueller, E. and Blume, A.
FTIR spectroscopic analysis of the amide and acid bands of ganglioside G_{M1}, in pure form and in mixtures with DMPC (1146) 45

Nakaya, T., see Sakurai, S. (1146) 153
Newkirk, D.K., see Hinton, J.F. (1146) 191

Paltauf, F., see Gaigg, B. (1146) 301
Perkins, W.R., see Boni, L.T. (1146) 247
Polkowski, C.A. and Grassl, S.M.
Uric acid transport in rat renal basolateral membrane vesicles (1146) 145

Ramanujam, K.S., Seetharam, S. and Seetharam, B.
Regulated expression of intrinsic factor-cobalamin receptor by rat visceral yolk sac and placental membranes (1146) 243
Ramsammy, L.S., Boos, C., Josepovitz, C. and Kaloyanides, G.J.
Biophysical and biochemical alterations of renal cortical membranes in diabetic rat (1146) 1
Riggs, J.E., see Birkle, D.L. (1146) 236
Russo, F., see Arduini, A. (1146) 229

Sachs, G., see Scott, D.R. (1146) 73
Saitoh, N., see Iseki, K. (1146) 121
Sakurai, I., see Sakurai, S. (1146) 153
Sakurai, S., Sakurai, I., Kawamura, Y. and Nakaya, T.
Electron diffraction study on two-dimensional domain structure of L-DPPC monolayer (1146) 153
Scarlata, S., see Montich, G. (1146) 17
Schmitt, J.M., see Hincha, D.K. (1146) 258
Schrempp, S., see Bayan, N. (1146) 97
Scott, D.R., Helander, H.F., Hersey, S.J. and Sachs, G.
The site of acid secretion in the mammalian parietal cell (1146) 73
Sedgwick, E.G. and Bragg, P.D.
Mechanism of uptake of the fluorescent dye 2-(4-dimethylaminostyryl)-1-ethylpyridinium cation (DMP^+) by phospholipid vesicles (1146) 113
Seelig, J., see Montich, G. (1146) 17
Seetharam, B., see Ramanujam, K.S. (1146) 243
Seetharam, S., see Ramanujam, K.S. (1146) 243
Shahamat, V., see Birkle, D.L. (1146) 236
Sharom, F.J., see Doige, C.A. (1146) 65
Shechter, E., see Bayan, N. (1146) 97
Shiao, Y.-J., Chen, J.-C., Wang, C.-N. and Wang, C.-T.
The mode of action of primary bile salts on human platelets (1146) 282
Shirazi-Beechey, S.P., see Freeman, T.C. (1146) 203
Shungu, D.C., see Hinton, J.F. (1146) 191
Sirangelo, I., see Bismuto, E. (1146) 213
Sirinathsinghji, D.J.S., see Freeman, T.C. (1146) 203
Slater, J.L., see Boni, L.T. (1146) 247
Smith, T.C., see Thomas-Young, R.J. (1146) 81
Stillwell, W., Wassall, S.R., Dumaual, A.C., Ehringer, W.D., Browning, C.W. and Jenski, L.J.
Use of merocyanine (MC540) in quantifying lipid domains and packing in phospholipid vesicles and tumor cells (1146) 136
Sugawara, M., see Iseki, K. (1146) 121

Takano, M., see Katsura, T. (1146) 197
Tate, M.W., see Boni, L.T. (1146) 247
Thomas-Young, R.J., Smith, T.C. and Levinson, C.
Regulatory volume decrease in Ehrlich ascites tumor cells is not mediated by a rise in intracellular calcium (1146) 81
Tomita, Y., see Katsura, T. (1146) 197

Van der Veer, E., Van der Weide, D., Heijmans, H.S.A. and Hoekstra, D.
Translocation of fluorescent ether phospholipid, but not its diacyl counterpart, after insertion in plasma membranes of control and plasmalogen-deficient fibroblasts (1146) 294
Van der Weide, D., see Van der Veer, E. (1146) 294
Van Winkle, L.J., Campione, A.L., Mann, D.F. and Wasserlauf, H.G.
The cation receptor subsite of the choline transporter in preimplantation mouse conceptuses resembles a cation receptor subsite of several amino acid transporters (1146) 38
Vareille, G., Marion, P., Kraus, J.-L. and Castaing, M.
Sodium transport by an ionizable and a neutral mobile carrier: effects of membrane structure on the apparent activation energy (1146) 25

Venema, K., Gibrat, R., Grouzis, J.-P. and Grignon, C.
Quantitative measurement of cationic fluxes, selectivity and membrane potential using liposomes multilabelled with fluorescent probes (1146) 87

Wallmark, B., see Mattsson, J.P. (1146) 106
Wang, C.-N., see Shiao, Y.-J. (1146) 282
Wang, C.-T., see Shiao, Y.-J. (1146) 282
Wank, S.A., see Yuan, D.S. (1146) 52
Wassall, S.R., see Stillwell, W. (1146) 136
Wasserlauf, H.G., see Van Winkle, L.J. (1146) 38
Wood, I.S., see Freeman, T.C. (1146) 203

Yager, P., see Abrams, S.B. (1146) 127
Yamauchi, K., Doi, K., Yoshida, Y. and Kinoshita, M.
Archaebacterial lipids: highly proton-impermeable membranes from 1,2-diphytanyl-*sn*-glycero-3-phosphocholine (1146) 178
Yasuhara, M., see Katsura, T. (1146) 197
Yoshida, Y., see Yamauchi, K. (1146) 178
Yu, X., see Doige, C.A. (1146) 65
Yuan, D.S., Wank, S.A. and Gardner, J.D.
Cibacron blue-induced enhancement of agonist binding to cholecystokinin (CCK) receptors in solubilized pancreatic membranes (1146) 52